

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)


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Applicant's or agent's file reference 000211PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US01/06741	International filing date (day/month/year) 02 March 2001 (02.03.2001)	Priority date (day/month/year) 03 March 2000 (03.03.2000)
International Patent Classification (IPC) or national classification and IPC IPC(7): H04B 7/00 and US Cl.: 455/517, 433, 435, 458, 520, 525		
Applicant QUALCOMM INCORPORATED		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:
- I ☒ Basis of the report
 - II ☐ Priority
 - III ☐ Non-establishment of report with regard to novelty, inventive step and industrial applicability
 - IV ☐ Lack of unity of invention
 - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - VI ☐ Certain documents cited
 - VII ☐ Certain defects in the international application
 - VIII ☐ Certain observations on the international application

Date of submission of the demand 13 September 2001 (13.09.2001)	Date of completion of this report 10 April 2001 (10.04.2001)
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230	Authorized officer  Daniel Hunter Telephone No. (703)-308-6732

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed.
- ☒ the description:
pages 1-64 _____ as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____.
- ☒ the claims:
pages 65-70 _____, as originally filed
pages NONE _____, as amended (together with any statement) under Article 19
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____.
- ☒ the drawings:
pages 1-10 _____, as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____.
- ☐ the sequence listing part of the description:
pages NONE _____, as originally filed
pages NONE _____, filed with the demand
pages NONE _____, filed with the letter of _____.

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE
- ☒ the claims, Nos. NONE
- ☒ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US01/06741

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. STATEMENT

Novelty (N)

Claims 1-34 YESClaims NONE NO

Inventive Step (IS)

Claims 1-34 YESClaims NONE NO

Industrial Applicability (IA)

Claims 1-34 YESClaims NONE NO

2. CITATIONS AND EXPLANATIONS

Please See Continuation Sheet

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

V. 2. Citations and Explanations:

Claims 1-34 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest the subject matter, and the US application 09/518, 776 has been allowed, for a push-to-talk communication device participated in the group communication net, and the group communication net comprising managing controller and interface with the push-to-talk communication device, having priority requirement of 03 March, 2000. The combination of the prior arts does not disclose the processor configured to convert the information into the packed data with the push-to-talk, and the configured to receive packed data through second channel, the updating of the identification information, as shown in the independent claims 1, 11, 25, 26 below. The dependent claims 2-10, 12-24, 27-34 are also allowable due to their dependency upon the allowed independent claims. These featured elements are listed below:

In a communications system, a push-to-talk communication device to participate in a group communication net, said group communication net comprising a controller to manage said group communication net and interface with said push-to-talk communication device said device comprising:

a processor to configured to convert information signals to packet data suitable for transmission over a distributed network; a receiver configured to receiver packet data through a second channel from the controller (claim 1).

a processor electrically to connected to said first port, wherein said processor is dynamically configurable to second packet data through said first channel to said controller (claim 11).

a processor configured to convert information signals into packet data suitable for transmission over a distributed network, wherein said processor further comprises identification information and said processor updates its identification information when its current identification information has or is about to change (claim 25).

interface with said push-to-talk communication device, said device comprising: converting information signals into packet data suitable for transmission over a distributed network (claim 26).

Although consideration has been made to the prior arts from Brandon et al., Coombes et al., Eytan, Z. dunek.

Brandon et al. discloses the method and apparatus for establishing a private conversation channel in the trunked system utilizing the incoming, outgoing signaling word for establishing the private conversation channel between radios (abstract, Fig. 1-3, col. 1, line 61

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

to col. 2, line 6, col. 2, line 28-35, col. 2, line 40-43, col. 2, line 47-54, Fig. 3, steps 306, 310, 314. Brandon et al. does not disclose a processor configured to convert information signals to packet data suitable for transmission over a distributed network; a receiver configured to receive packet data through a second channel; and the updating of the identification information.

Coombes et al. discloses the method and apparatus for providing the communication service based upon the registration type (abstract, Fig. 1-3, registration table, location area ID, cite ID, col. 1, line 10-13). Coombes et al. does not disclose the push-to-talk, and a processor configured to convert information signals to packet data suitable for transmission over a distributed network.

Eytan discloses the reducing of the access time in the trunking radio system, based on the paging command including the identification ID of a target unit, and compares the ID with its own ID in response to operation of the push-to-talk PTT switch (abstract, Fig. 5, 6, step 102 press PTT, 203 PTT?, page 10, line 4-35). Eytan does not disclose a processor configured to convert information signals to packet data suitable for transmission over a distributed network.

Zdunek discloses the establishing data channel depending upon the traffic load of the day, and reallocating the data channel (abstract, Fig. 1, page 1, line 29 to page 2, line 18, page 9, line 33-36, page 19, line 4-13, page 4, line 8-12, page 4, line 17-30). Zdunek does not disclose the push-to-talk.

----- NEW CITATIONS -----

US 5,551,063 A (BRANDON ET AL.) 27 AUGUST 1996, see abstract, Fig. 1-3, col. 1, line 61 to col. 2, line 6, col. 2, line 17-20, col. 2, line 28-35, col. 2, line 40-43, col. 2, line 47-54, Fig. 3, steps 306, 310, 314.

US 5,822,694 A (COOMBES ET AL.) 13 OCTOBER 1998, see abstract, Fig. 1-3, col. 1, line 10-13.

GB 2,290,196 A (EYTAN) 13 DECEMBER 1995, see abstract, Fig. 5, 6, page 10, line 4-35.

WO 88/08646 A1 (ZDUNEK) 03 NOVEMBER 1988, see abstract, Fig. 1, page 1, line 29 to page 2, line 18, page 9, line 33-36, page 19, line 4-13.